
	Recommended Program of Study for: Ornamental Horticulture/Greenhouse Mgmt.				
Career Cluster: Agriculture Food and Natural Resources			Career Pathway: Plant Systems		
9th Grade	10th Grade	11th Grade	12th Grade	Postsecondary	
English I	English II	English III	English IV	College of Southern Nevada Great Basin College Truckee Meadows Community College University of Nevada, Las Vegas University of Nevada, Reno Western Nevada College	
Algebra I	Geometry I	Algebra II	Senior Level Math Course		
Biology	Chemistry	Science or Elective	Elective ¹		
Health / Computer Literacy	World History	US History	US Government		
Physical Education	Physical Education	Foreign Language ² or Elective ¹	Foreign Language ² or Elective ¹		
Agriculture Science I or Horticulture Science	Plant Science and Ornamental Horticulture	Greenhouse Management	Greenhouse Management Advanced Studies	Career and Technical Student Organizations	
Work-Based Learning		Secondary	-- Articulation --		Postsecondary
Job Shadowing Internship / Work Experience Career Day / Fair Field Trips / Guest Speakers		Agriculture Science I Plant Science and Ornamental Horticulture Greenhouse Management	Up to 3 credits at Great Basin College Up to 6 credits at Truckee Meadows Community College (subject to change)		FFA
CTE Assessments³		Available Industry Certifications		High Wage - High Skill - High Demand Careers⁴	
-End of Program Technical Assessment for Ornamental Horticulture/Greenhouse Mgmt. -Workplace Readiness Skills Assessment (for Employability Skills Standards)		Certification Worker Protection Handler Verification Pesticide Applicators License	Provider Environmental Protection Agency Department of Agriculture	Plant Breeder and Geneticist Greenhouse Manager Education and Extension Specialist Biotechnology Lab Technician	Botanist Grower Plant Researcher Plant Pathologist

This Program of Study is based upon the requirements needed for an Advanced Diploma. Academic course names may vary among school districts. All students must pass the high school proficiency exams to qualify for any high school diploma.

¹ Electives may include arts and humanities courses or other career and technical education courses that relate to the program of study.

² Foreign Language courses are recommended if a student is planning on entering a university. (See individual university admission policies)

³ CTE Assessments will be administered during the completion level CTE course.

⁴ For additional career and employment information visit <http://www.nvcis.intocareers.org/> and <http://www.NevadaYouth.org>

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